MODIS Science Data Support Team (SDST) Meeting Minutes 10/18/91

ATTENDEES:    Lloyd Carpenter    RDC        982-3708
          Dave Case        ARC        464-7365
          Al Fleig        900      286-7747
          Harold Geller     RDC        982-3740
          Tom Goff        RDC      982-3704
          Liam Gumley      RDC       982-3748
          Ravi Kumar       STX       513-1630
          Ed Masuoka       920       286-7608
          Al McKay        RDC       982-3720
          Jim Ormsby       974       286-6811
          Wil Webster      920.2      286-4506


NEXT MEETING:    Date        Time    Building    Room          Friday, October 25    10:00 am      16      242

TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS) AND NETCDF FORMAT:  Testing of the MAS Level-1B software continues.  Recent comparisons with Chris Moeller's results at Wisconsin indicate that the calibration and geolocation are being done correctly.  An attempt will be made to get data from a test flight tentatively scheduled for October 24th.  So far it is known that the MAS Level-1B data will be processed on the IBM 3090 (MVS operating system) and the Cray (Unicos operating system).  It will be displayed on the Apple Macintosh and the Silicon Graphics Iris.  These systems will need to read the MAS Level-1B data in NetCDF format.  A status report and schedule were given for the implementation of NetCDF for the MAS Level-1B data.

2. MODIS SDST PROJECT PLAN:  A proposed table of contents and  draft versions of some sections of the MODIS Science Data Support Team Project Plan were included in the handout.  The plans to be prepared by the team include:

     The Project Management Plan

     The Software and Data Management Plan

The Science Computing Facility Plan (the TLCF)

The Schedule of Work for the current year.

Comments on the initial draft are to be sent to Lloyd Carpenter (LCarpenter on GSFCMAIL) by October 23rd for inclusion in the next version.

3. MODIS IMAGE REGISTRATION:  Jim Ormsby presented a summary of satellite data registration procedures of various types and from various sources as a precursor to MODIS processing.  He also presented a table of registration comparisons, showing for each package, the owner, whether or not it is in the public domain, the language, size, computer on which it is implemented, cost, if it contains a terrain correction, and if it is operational.


ACTION ITEMS:

08/30/91 [Lloyd Carpenter and Team]:  Draft a schedule of work for the next 12 months.  Include primary events and milestones, documents to be produced, software development, MAS support, etc.  (A draft was included in the handout.)  STATUS: Open.  Due date 09/27/91.

10/04/91 [Phil Ardanuy and Team]:  Prepare questions for the project to characterize the spacecraft position and attitude knowledge and the MODIS pointing knowledge in a way that will facilitate the evaluation of methods such as image registration to meet the science team requirements for earth location.  (Previous contributions are to be formalized in a letter to the project.)  STATUS: Open.  Due date 10/18/91.

10/04/91 [Tom Goff]:  Examine and describe the Miami DSP navigation scheme in relation to MODIS navigation.  Status: Open.  Due date 11/15/91.

10/04/91 [Tom Goff]:  Contact Angel Li (currently at GSFC) to ask questions regarding the DSP.  Status: Open.  Due date 10/18/91.